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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/533,889

05/05/2005

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8156/84320

9726

42798 7590 11/01/2007  
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EXAMINER

COONEY, JOHN M

ART UNIT

PAPER NUMBER

1796

MAIL DATE

DELIVERY MODE

11/01/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

**Office Action Summary**

Application No.

10/533,889

Applicant(s)

TOKUYASU ET AL.

Examiner

John Cooney

Art Unit

1796

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 4 shfs.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Grace et al.(4,892,893).

Grace et al. discloses preparations of flexible polyurethane foams by mixing and reacting polyether polyol having functionalities and molecular weights as claimed, isocyanate, blowing agent, melamine, other fire retardants as claimed, catalysts, and stabilizers as claimed (see column 2 line 22 - column 7 line 48 and the examples, as well as, the entire document). Grace et al. provides index values and density values as claimed, and, owing to the physical material contents of the compositions, the properties associated with the claimed stabilizers are seen to be inherent to the teachings of Grace et al.

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Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Ricciardi et al.(4,757,093).

Ricciardi et al. discloses preparations of flexible polyurethane foams by mixing and reacting polyether polyol having functionalities and molecular weights as claimed, isocyanate, blowing agent, melamine, other fire retardants as claimed, catalysts, and stabilizers as claimed (see column 3 line 9 - column 5 line 65 and the examples, as well as, the entire document). Ricciardi et al. provides amounts of reactants such that index values as claimed are met, and sets forth density values meeting those claimed. Owing to the physical material contents of the compositions, the properties associated with the claimed stabilizers are seen to be inherent to the teachings of Ricciardi et al.

Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Haas et al.(5,104,905).

Haas et al. discloses preparations of flexible polyurethane foams by mixing and reacting polyether polyol having functionalities and molecular weights as claimed, isocyanate, blowing agent, melamine, other fire retardants as claimed, catalysts, and stabilizers as claimed (see the entire document). Haas et al. provides disclosure of amounts of reactants and readily envisioned means for practicing its invention such that the index values as claimed are met, and sets forth density values meeting those claimed. Owing to the physical material contents of the compositions, the properties associated with the claimed stabilizers are seen to be inherent to the teachings of Haas et al.

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Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Smiecinski et al.(5,830,926).

Smiecinski et al. discloses preparations of flexible polyurethane foams by mixing and reacting polyether polyol having functionalities and molecular weights as claimed, isocyanate, blowing agent, melamine, other fire retardants as claimed, catalysts, and stabilizers as claimed (see the entire document). Smiecinski et al. provides disclosure of amounts of reactants and readily envisioned means for practicing its invention such that the index values as claimed are met, and sets forth density values meeting those claimed. Owing to the physical material contents of the compositions, the properties associated with the claimed stabilizers are seen to be inherent to the teachings of Smiecinski et al.

Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by GB-2,369,825.

GB-2,369,825 discloses preparations of flexible polyurethane foams by mixing and reacting polyether polyol having functionalities and molecular weights as claimed, isocyanate, blowing agent, melamine, other fire retardants as claimed, catalysts, and stabilizers as claimed (see the entire document). GB-2,369,825 provides index values and density values as claimed, and, owing to the physical material contents of the compositions, the properties associated with the claimed stabilizers are seen to be inherent to the teachings of GB-2,369,825.

Claims 1-6 are rejected under 35 U.S.C. 102(e) as being anticipated by WO-03/078497.

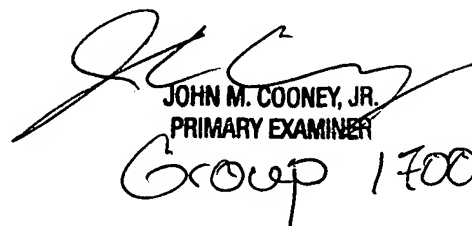
WO-03/078497 discloses preparations of flexible polyurethane foams by mixing and reacting polyether polyol having functionalities and molecular weights as claimed, isocyanate, blowing agent, melamine, other fire retardants as claimed, catalysts, and stabilizers as claimed (see the entire document). WO-03/078497 provides amounts of reactants such that index values as claimed are met, and sets forth density values meeting those claimed. Owing to the physical material contents of the compositions, the properties associated with the claimed stabilizers are seen to be inherent to the teachings of WO-03/078497.

Grace et al. ('459) is cited as being art of interest for its disclosure of pertinent flame retardant compositions in the art.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Cooney whose telephone number is 571-272-1070. The examiner can normally be reached on M-F from 9 to 6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Seidleck, can be reached on 571-272-1078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
JOHN M. COONEY, JR.  
PRIMARY EXAMINER  
Group 1700